DEC1100-T
Freeview receiver

Digital Terrestrial Receiver

User Manual

English

Hauppauge!®

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IMPORTANT NOTICE

Thank you for purchasing the DEC1100-T freeview receiver

Please note that this unit has a special feature which allows you to update the latest software OVER THE AIR.

When you switch on the receiver, the unit will check if there is a new software version available. If there is, you will be asked if you wish to download the latest software version by following the information on the screen.

To have the best performance of your product we recommend that you update whenever prompted.
If you have any queries regarding this please call our helpline on:
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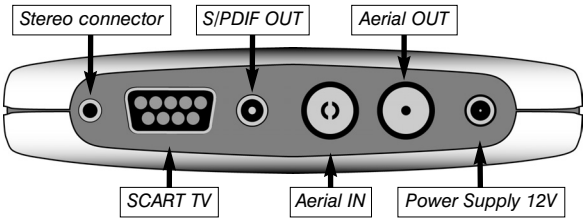
email: support@hauppauge.co.uk
web: www.hauppauge.co.uk

1. Operational and functional elements

Front view

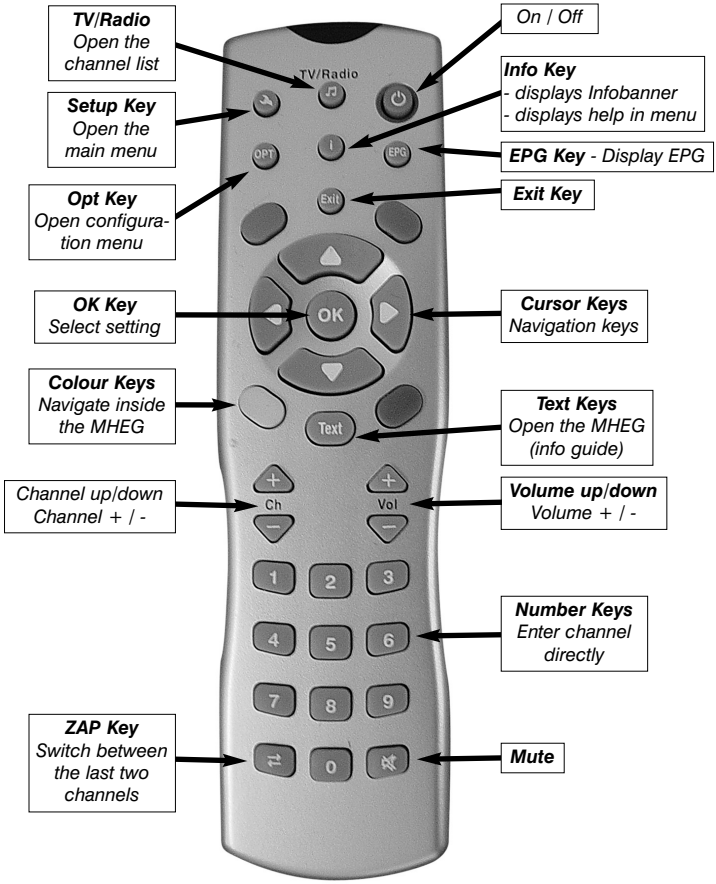
Rear view



Remote Control

Attention! Pressing any button on the remote control continuously could cause the software in the unit to overload and the picture to freeze. This is not a fault of the set but a safety procedure. To reset the machine switch the power off and then repower.

Operational elements of the remote control



2. Important Information

Make sure that the following items are included in the box:

- 1 DEC1100-T unit
- 1 Manual
- 1 Remote Control
- 2 Batteries for Remote Control
- 1 Power supply 230V/50Hz - 12V
- 1 Serial to SCART
- 1 Coaxial cable (male/female)

Proceed as follows:

- Place batteries in Remote Control. Check polarity!
- Read Safety Instructions carefully!
- Connect Receiver as described in **Chapter 3**.
- Read **Chapter 4** for instructions on how to set up the box correctly. In this chapter you will find information on how to handle the Electronic-Program-Guide (EPG) and about Software Updates as well as the advanced configuration.
- **Chapter 5** covers error diagnosis.
- Check **Chapter 6** for Technical Data.

Attention! Non-use of box for long periods or thunderstorms: Disconnect the STB from the power supply and from the antenna if you leave the box unused for a long period of time or during bad weather. Also turn off all devices connected to the STB.

Power cord

Make sure that the power cord is not damaged. Never use damaged cables.

Cleaning

Always disconnect the power cord before cleaning the STB. Only use a dry cloth for cleaning. Clean only the cover. Never open the device.

Make sure that children do not stick anything into the box's air vents.

Service

There are no serviceable parts inside. Never open the box. Doing so may put you as risk of electric shock. Warranty will become void if box is opened.

Connectors

Only use supplied cable and power supply for operating the STB.

Important Notice for placing the Device

Placing

Every electrical device needs time to warm up. The heat generated by the device is low but can still cause sensitive furniture to alter over time. The bottom of the STB can in some cases stain the surface of certain furniture. Please put a pad underneath the STB when placing it on a sensitive surface.

Ventilation

Never obstruct the STB's air vents. Always make sure that air can ventilate from the device. Never place the box inside a closet or cabinet. Do not place anything on top of the STB and leave at least 30 cm space above it.

Moisture, direct sun light, heat

Keep the box away from moisture and condensing water. Never place the device next to a heater or into direct sun light.

Power supply

Only operate the device at 230V / 50 Hz by using the delivered power supply unit. Switch the power on after the antenna and the SCART cable have been connected.

Grounding

The antenna has to be grounded.

3. Connections

Antenna connection

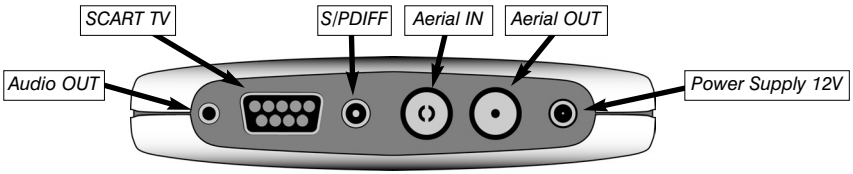
Connect the antenna with a Coax cable to the STB. First connect the cable to the antenna and then to your Box.

Attention! Make sure the receiver is turned off when you connect the cable to avoid damage to the device.

Connecting the STB to the TV (SCART)

Connect the receiver with the supplied cable to the TV-set. Plug the cable into the Receiver on one side and to the Video-In connector on your TV or Video recorder on the other side.

Make sure not to use the Decoder-Connector found on certain TV-sets. Consult your TV manual for details.



4. Operating

Turning the STB On/Off

Turn on the Set Top Box by pressing the ***On*/*Off Key*** (1) on your remote control. Wait until you see the info line on your screen.

The LED will light when the receiver is switched on.

When you switch your receiver on for the first time you will be asked to select your TV screen format (4:3 or 16:9) and then to confirm hereafter the automatic channel search.

First Time Installation

1. Press the Setup Key (3) on your remote to bring up the main menu.
2. Use the Cursor Keys (9) and the OK Key (8) to select Installation.

3. Select ***First Time Installation*** from the menu. You will be asked if you are sure to delete all current channels in your list. Simply answer "***Yes***" by using the Cursor ***Keys*** (9) and ***OK Key*** (8) again.

4. Set up all following steps according to your connected hardware (TV, Cable). After you are done with this step you are ready to watch all found free-to-air channels on your STB.

Switching channels

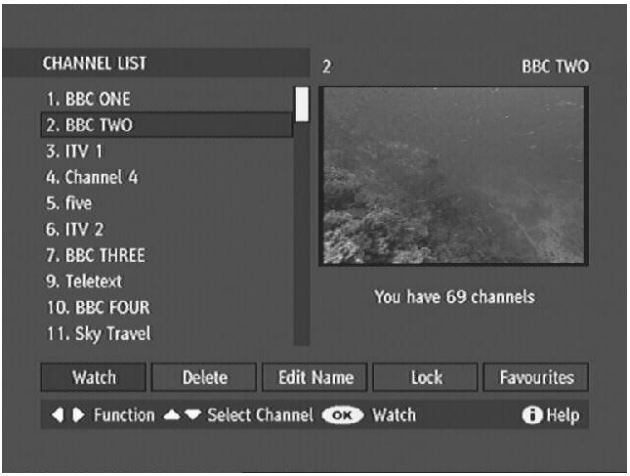
Use the channel ***Up*** and ***Down*** Keys (13) on your remote to switch between channels.

Changing volume

Use the volume ***Up*** and ***Down*** keys (11) on your remote to change volume on your STB.

Using the Channel List

1. Pressing the TV/Radio Key (2) on your remote will bring up the channel list.



2. Using the Cursor Keys (9) you can navigate through this page.
- The current program will be shown on the right side while your channel list is shown on the left.
- Use the ***Cursor Keys*** (9) to select the desired channel, which can be seen on the right side.

3. After pressing ***OK*** (8) you will switch to the selected channel.

4. Use ***Exit Key*** (7) to leave the cannel list.

Deleting/Editing Channels

1. Using the ***Left*** / ***Right*** (9) and the ***OK Keys*** (8) on your remote control, you can delete a channel or edit a name.

2. Simply use the ***Cursor Keys*** (9) and the ***Ok Key*** (8) to select the desired function.

3. When editing a channel name you can use the ***Number Keys*** (14-23) on your remote to change the channel name.

Locking Channels / Adding to Favourites

The ***Lock*** button allows you to prevent certain channels from being accessed.
The ***Favourites*** button adds the selected channels to your favourite list.

Note: To use Favourites you need to switch on this mode in the Configuration menu, see "Configuration".

Advanced Installation

Inside the Installation Menu you can choose between **Automatic Search**, **Manual Search** and **First Time Installation**. The First Time Installation has been described previously.

After the first time installation it may be required to rescan for channels or to add certain channels that are additionally broadcasted.

Automatic Search will replace your current channel list.

Using **Manual Search**, you can specify which channel should be scanned and any found channels will be appended to your current list.

EPG

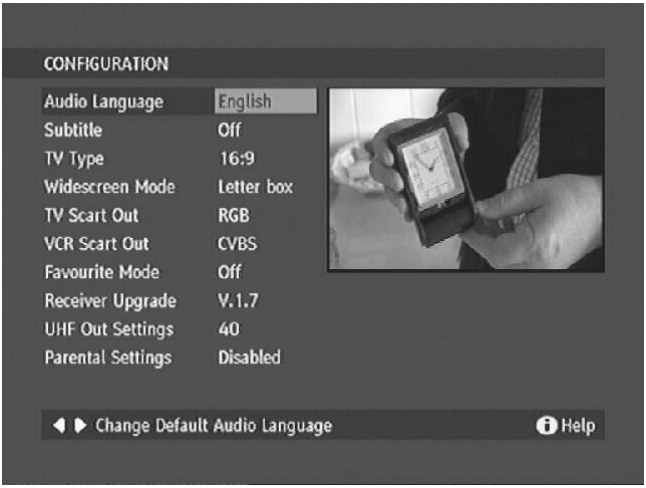
The Electronic Program Guide can be accessed via the EPG Key (6) on your remote.

Simply use the ***Cursor Keys*** (9) to navigate through the EPG.

- It will always show the picture of the current choice on the top right.
- On the bottom you will see five channels from your channel list with their current and upcoming events.
- The top left will show you the time the selected show will run at and a short summary of the event.

Configuration

1. Use the ***Setup Key*** (3) on your remote to open up the Main menu and select ***Configuration***.



2. Inside the Configuration Menu you can edit the following:
Audio Language: If a program is broadcasted in more than one language you can choose the appropriate language.
TV-Type: Choose the type of TV you have 4:3 / 16:9.
WideScreen Mode: Set your preferred mode for movies or shows that are broadcasted in 16:9.
TV Scart Out: Output can either be RGB, S-Video or CVBS.
VCR Scart Out: The VCR SCART Out can be set to CVBS and S-Video.
Favourite Mode: Turn Favourite Mode on/off.
UHF Out Settings: Choose the UHF out channel on which the STB will send the signal via the RF-out connector. Press ***OK Key*** (8) to enter the sub menu.
Parental Settings: If enabled please note that the default lock code is "0000". Press ***OK Key*** (8) to enter the sub menu.
Your receiver supports the download of the latest available software. With the menu option **Receiver Upgrade** you can start the manual update.

- Select ***Receiver Upgrade*** with the Curosor Key (9).
- Enter the sub-menu with the ***OK Key*** (8).
- Select ***Search*** for New Version and press ***OK Key*** (8).

3. If you are done with the setup, use the ***Exit Key*** (7) to exit the menu.

Timer

You can use the timer settings to have your STB turn on and off at certain times. Use the ***Setup Key*** (3) on your remote to open up the Main menu and select ***Timer***.

TIMER MENU
No Channel Name Start End Date Mode
1. BBC ONE 01:00 01:00 01/01/2000 Inactive
2. BBC ONE 01:00 01:00 01/01/2000 Inactive
3. BBC ONE 01:00 01:00 01/01/2000 Inactive
4. BBC ONE 01:00 01:00 01/01/2000 Inactive
5. BBC ONE 01:00 01:00 01/01/2000 Inactive
14:11
21/07/2004
Toggle Mode Exit Exit OK Edit Timer Help

If you don't want the STB running all the time but you want e.g. to record certain shows you can use the timer settings.

1. Simply choose one of the five timer settings and press the ***OK Key*** (8).
2. Now use the ***Cursor Key*** (9) and ***Number Keys*** (14-23) to edit the start and end time as well as the date and the Mode.
   The STB will then turn on at start time and turn off at end time for the given date.

Language

The last option from the main menu is Language. This option lets you choose between broadcasted audio languages or modes. Use the ***Setup Key*** (3) on your remote to open up the Main menu and select ***Language***.

Simply use the ***Cursor Keys*** (9) to choose your preferred language and use the ***OK Key*** (8) to set it.

Note: The change is only temporary - a subsequent change of channel will change the audio language back to the permanent preference indicated in the Configuration menu.

Text / MHEG

With the ***Text Key*** (12) you can access certain Text and Multimedia contents. Some services use also the ***Colour Keys*** (10).

Your receiver supports the UK text system called MHEG (Multimedia and Hypermedia Experts Group). MHEG is a standard that offers you information about various contents like lifestyle, shopping or sports events results.

Pressing the ***Text Key*** (12) or the ***Red Key*** (10) will bring up a menu similar to the one shown below.

Note: Some broadcasters show in the top right TV corner the key which can be used to open the MHEG text or on the MHEG text the correct key for exit. This can vary from channel to channel.

As usual you can use the ***Cursor Keys*** (9) and the ***OK Key*** (8) to navigate through the content.

Additionally you now have the four ***Colour Keys*** (10) to navigate through the content of the page. Their usage may vary for different stations, so simply read their meaning from the bottom line (or from the location they appear in) and use them as shown.

Use the ***Text Key*** (12) or the screen indicated key to leave the MHEG.

5. Diagnostics

Error	Possible cause	Solution
No picture, no sound	No power supply	Check cable and power connector
	None or wrong channel list	Do an automatic channel scan
	Short circuit in antenna cable	Turn off receiver, remove short circuit, turn receiver back on
	Defect or missing cable connection	Check all cables
	Misalligned antenna	Adjust antenna
	Loose connectors or cable too long	Check connectors, shorten cable
	No Freeview coverage in your area	Call 08708809980 or text your postcode to 8331 (standard network charges supply)
No or only chunky picture	Antenna too small	Use bigger antenna
	SCART connector not fully plugged in	Check SCART connector
Sound but no picture	Antenna misadjusted or defect	Check antenna
	Program is broadcasted with altered parameters	Do an automatic search (see "Advanced Installation")
Can't receive channel you could receive before	Program is not broadcasted any more	None
	Transport stream defect > Receiver locked	Remove power plug, plug in after 10 sec.
Certain channels can't be received from time to time	Certain services are not transmitted 24 hours a day and can sometimes be unavailable. This is not a fault.	
STB cannot be controlled	Obstacle in between remote control and receiver	Free sight between remote control and receiver
Bad image quality or no colours	Wrong TV SCART out signal	Try changing from RGB to CVBS or vice versa (see Chapter "Configuration")

6. Technical Data

General

- DVB terrestrial Free-To-Air receiver compliant to EN 300 744
- MHEG5 and LCN support
- UHF frequency range support
- Re-Modulator output adjustable (PAL)
- Video and Audio out via 1x SCART
- Audio out (left/right) via 3.5mm stereo jack
- SPDIF audio out
- Fast channel search
- Reed-Solomon decoding support (EN 300 744)
- Automatic FEC selection (1/2, 2/3, 3/4, 5/6, 7/8)
- MPEG2 Transport Stream support: ISO/IEC 13818-1
- DVB-Video/-Audio support: ISO/IEC 13818-2, -3
- Update-Over-Air

Base specification

- QPSK / QAM16/64 demodulation compliant to DVB terrestrial standard EN 300 744
- COFDM 2k and 8k
- UHF support (474…862 MHz)
- 8MHz channel bandwidth
- Guard Interval Modes: 1/32, 1/16, 1/8, 1/4 active symbol duration
- Fast PLL tuning speed: step size 62,5 kHz / 166,67 kHz

Input /Output

- 1x Serial to SCART out
- TV SCART video out: CVBS, Y/C, RGB
- VCR SCART video out: CVBS, Y/C
- switching signal: 0 / 6 / 12V
- Audio out (left/right)
- Audio out
- 3.5mm stereo jack
- RF input:
- connector IEC60169-2 female
- termination 75 Ohm
- Return Loss: min. 6 dB (75 Ohm)
- RF Re-Modulator
- connector IEC60169-2 male
- adjustable Re-Modulator channel 21 - 68
- output termination 75 Ohm
- Loop-Through of RF signals

Power Supply

- Power supply 230VAC/50Hz to 12VDC
- Operation power consumption less 12 W

Accessories

- Receiver ca. 250 x 140 x 32 mm
- Power Supply
- Serial/SCART cable 1 m
- Coax cable 1.5 m
- Remote Control
- 2 Batteries (for remote control)
- Instruction manual

Temperature

- Temperature-Range +5 °C…+40 °C